Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date Due \_12-11-2015\_\_\_

Homeroom\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Eagle Mastery 10

Directions: Write an equation or inequality for the following contextual problems and then solve them. SHOW WORK!

1. Gary is paid $15.50 per hour in addition to a weekly salary of $50. This week he wants to earn more than $400. Write and solve the inequality that represents the minimum number of hours Gary must work.
2. Sally’s bank account has $650 in it. Every week, Sally withdraws $50 to pay for her dog sitter. What is the maximum number of weeks that Sally can withdraw the money so there is at least $75 remaining in the account? Write and solve an inequality to find the solution.
3. Mrs. Jackson earned a $500 bonus for signing a one-year contract to work as a nurse. Her salary is $22 per hour. If her first week’s check including the bonus is $1,204, how many hours did Mrs. Jackson work?
4. Caitlin has a $10 gift certificate to the music store. She has chosen a number of CDs from the $7 bargain bin. If the cost of the CDs is $32 after the gift certificate is credited, how many CDs did Caitlin buy?
5. What is the difference between equation, expression, and inequality?